



COPY OF PAPERS
ORIGINALLY FILED

#10/Seq 1/B
RECEIVED

AUG 09 2002

SEQUENCE LISTING

TECH CENTER 1600/2900

<110> Andrew D. Ellington, Michael P. Robertson. Kristen A. Marsh

<120> Allosterically Regulated Ribozymes

<130> 119927-1021

<140> 09/661,658

<141> 2000-09-14

<150> 60/212,097

<151> 2000-06-15

<160> 7

<170> PatentIn version 3.1

<210> 1

<211> 129

<212> DNA

<213> Artificial Sequence

<220>

<223> Engineered Aptazyme

<400> 1
taatcttacc ccggaattat atccagctgc atgtcacat gcagagcaga ctatatctcc 60
aacttgtaa agcaagttgt ctatcgtttc gagtcacttg accctactcc ccaaagggat 120
agtcgtag 129

<210> 2

<211> 131

<212> DNA

<213> Artificial Sequence

<220>

<223> Engineered Aptazyme

*<400> 2
gcctgagat aagtgactt atacttgtaa tctatctaaa cggggaacct ctctagtaga 60
caatcccgtg ctaaattata ccagcatcgt cttgatgcc ttggcagata aatgcctaac 120
gactatccct t 131

<210> 3

<211> 75

<212> DNA

<213> Artificial Sequence

<220>

<223> Engineered Aptazyme

<400> 3
gataatacga ctactatag ggatcaacgc tcagtagatg ttttcttggg ttaattgagg 60
cctgagtata aggtg 75

<210> 4
<211> 89
<212> DNA
<213> Artificial Sequence

<220>
<223> Engineered Aptazyme

<400> 4
cttagctaca atatgaacta acgtagcata tgacgcaata ttaaacggta gcattatggt 60
cagataaggt cgттаатстт ассссггаа 89

<210> 5
<211> 131
<212> DNA
<213> Artificial Sequence

<220>
<223> Engineered Aptazyme

<220>
<221> misc_feature
<222> (77)..(77)
<223> N= A, C, T or G

<220>
<221> misc_feature
<222> (108)..(108)
<223> N= A, C, T or G

<400> 5
gcctgagtat aaggtgactt atactagtaa tctatctaaa cggggaacct ctctagtaga 60
caatcccgтg ctaaatnata ccagcatcgt cttgatgccc ttggcagnta aatgcctaac 120
gactatccct t 131

<210> 6
<211> 101
<212> DNA
<213> Artificial Sequence

<220>
<223> Engineered Aptazyme

<400> 6

cttagctaca atatgaacta acgtagcata tgacgcaata ttaaacggta gtattatggt 60
cagataaggt cgtaaactt accccggaat tctatccagc t 101

<210> 7
<211> 2162
<212> DNA
<213> Enterobacteria phage T4

<400> 7
ctaaagtaag tgtaattggc gggcctgctc tggttatatgc tgcattacct tatgcagatg 60
aagtagttgt ttctcgcacg gttaaaaggc atcgtgttaa ttcaacagtt caattagacg 120
caagttttct tgatgatata agcaagcgtg aaatggttga aacgcattgg tataaaatag 180
atgaagtaac aacccttacg gaatcagtat ataaatgaaa caataccaag atttaattaa 240
agacattttt gaaaatgggt atgaaaccga tgatcgtaga ggcacaggaa caattgctct 300
gttcggtact aaattacgct gggatttaac taaagggttt cctgcggtaa caactaagaa 360
gctcgcctgg aaagcttgca ttgctgagct aatatggttt ttatcaggaa gcacaaatgt 420
caatgattta cgattaattc aacacgattc gttaatccaa ggcaaaacag tctgggatga 480
aaattacgaa aatcaagcaa aagatttagg ataccatagc ggtgaacttg gtccaattta 540
tggaaaacag tggcgtgatt ttggtggtgt agaccaaatt atagaagtta ttgatcgtag 600
taaaaaactg ccaaagata ggcgtcaaat tgtttctgca tggaatccag ctgaacttaa 660
atatatggca ttaccgcctt gtcatatgtt ctatcagttt aatgtgcgta atggctattt 720
ggatttgcag tggatatcaac gtcagtaga tgttttcttg ggtaattga ggcctgagta 780
taagtgact tatacttgta atctatctaa acggggaacc tctctagtag acaatcccgt 840
gctaaattgt aggactgcc ttttaataaat acttctatat ttaaagaggt atttatgaaa 900
agcgggaattt atcagattaa aaatacttta aacaataaag tatatgtagg aagtgctaaa 960
gattttgaaa agagatggaa gaggcatttt aaagatttag aaaaaggatg ccattcttct 1020
ataaaaactc agagggtcttt taacaaacat ggtaatgtgt ttgaatgttc tattttggaa 1080
gaaattccat atgagaaaga ttgattatt gaacgagaaa atttttggat taaagagctt 1140
aattctaaaa ttaatggata caatattgct gatgcaacgt ttggtgatac atgttctacg 1200
catccattaa aagaagaaat tattaagaaa cgttctgaaa ctgttaaagc taagatgctt 1260
aaacttggac ctgatggtcg gaaagctctt tacagtaaac ccggaagtaa aaacgggcgt 1320
tggaatccag aaaccataa gttttgtaag cgcggtgttc gcatacaaac ttctgcttat 1380

acttgtagta aatgcagaaa tcgttcaggt gaaaataatt cattctttaa tcataagcat	1440
tcagacataa ctaaactctaa aatatcagaa aagatgaaag gtaaaaagcc tagtaatatt	1500
aaaaagattt catgtgatgg gggtattttt gattgtgcag cagatgcagc tagacatttt	1560
aaaatttcgt ctggattagt tacttatcgt gtaaaatctg ataaatggaa ttggttctac	1620
ataaatgcct aacgactatc cctttgggga gtagggtaa gtgactcgaa acgatagaca	1680
acttgcttta acaagttgga gatatagtct gctctgcatg gtgacatgca gctggatata	1740
attccggggg aagattaacg accttatctg aacataatgc taccgtttaa tattgcgtca	1800
tatgctacgt tagttcatat tgtagctaag atgtgtaatc ttattccagg ggatttgata	1860
ttttctgggt gtaataactca tatctatatg aatcacgtag aacaatgtaa agaaattttg	1920
aggcgtgaac ctaaagagct ttgtgagctg gtaataagtg gtctacctta taaattccga	1980
tatctttcta ctaaagaaca attaaaatat gttcttaaac ttaggcctaa agatttcgtt	2040
cttaacaact atgtatcaca ccttcctatt aaaggaaaga tggcgggtgta attttattat	2100
tgcgaggata tatgatttta cgatttaaag atacttctgg tgtagttctt ttacacttc	2160
ct	2162